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<b>TRANSMITTAL FORM</b>		Application Number	09/611,257
		Filing Date	6 July 2000
		First Named Inventor	Terrance P. SNUTCH and David L. BAILLIE
		Group Art Unit	1646
		Examiner Name	N. Basl
Total Number Of Pages In This Submission	3	Attorney Docket No.	381092000721

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SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

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Signature	<i>Kate H. Murashige</i>
Date	May 8, 2002

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*Tammi M. Procopio*  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Terrance P. SNUTCH and  
David L. BAILLIE

Serial No.: 09/611,257

Filing Date: 6 July 2000

For: MAMMALIAN T-TYPE CALCIUM  
CHANNELS

Examiner: N. Basi

Group Art Unit: 1646

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RESPONSE TO A COMMUNICATION

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

This is in response to a Communication mailed 8 April 2002, time for response to which was set to expire 8 May 2002. Two requirements were set forth in this communication. First, applicants were required to elect among  $\alpha_{1G}$ ,  $\alpha_{1H}$  or  $\alpha_{1I}$  subunits. Applicants hereby elect to prosecute the invention directed to  $\alpha_{1G}$ . However, as this is characterized as other than an election of species, this restriction requirement is traversed.

Applicants believe that there are unifying structural features with respect to  $\alpha_{1G}$ ,  $\alpha_{1H}$  and  $\alpha_{1I}$  since all constitute genes encoding the same type of calcium-ion channel - i.e. T-type channels. As explained in the specification, these channels, and therefore their encoding genes, share structural features which result in the T-type characteristics of the channel itself.

Accordingly, although an election to pursue the invention directed to  $\alpha_{1G}$  encoding nucleic acids is made, reconsideration of this requirement is respectfully requested.

The other requirement was for submission of an adequate sequence listing. There was no explanation in the communication as to any deficiencies in the presently filed sequence listing and therefore a telephone call to the Examiner was placed. Applicants appreciate the explanation provided by the Examiner that the matter of a sequence listing was raised in error and that no further submission was required.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, applicants petition for any required relief including extensions of time and authorize the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 03-1952 referencing docket No. 381092000721.

Respectfully submitted,

Dated: May 8, 2002

By: Kate H. Murashige  
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